

In the Claims

Please amend the claims as noted below. Applicant has submitted a new complete claim set marked up to show insertions and deletions by underlining and strikeouts, respectively. Canceled claims are so marked.

1. (Currently amended) An isolated nucleic acid molecule selected from the group consisting of

(a) a nucleic acid molecule which codes for a RUR-1 ~~sense-encoded or a RUR-1 antisense-encoded~~ polypeptide and which hybridizes under stringent conditions to a complement of a molecule having a nucleotide sequence selected from the group consisting of the nucleotide sequence of SEQ ID NO:1 ~~and the nucleotide sequence of SEQ ID NO:4,~~

(b) nucleic acid molecules that differ from the nucleic acid molecules of (a) in codon sequence due to the degeneracy of the genetic code, and

(c) complements of (a) and (b).

2. (Currently amended) The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule comprises a nucleotide sequence selected from the group consisting of SEQ ID NO:1, and the coding region of SEQ ID NO:1, ~~SEQ ID NO:4 and the coding region of SEQ ID NO:4.~~

3-7 (Canceled)

8. (Currently amended) An isolated nucleic acid molecule selected from the group consisting of:

(a) a ~~unique~~ fragment of nucleotides 1-1382 of SEQ ID NO:1 between 12 and 1381 contiguous nucleotides in length, and

(b) ~~a unique fragment of nucleotides 1-2167 of SEQ ID NO:4 between 12 and 2166 contiguous nucleotides in length,~~

(c) complements of (a), and

(d) ~~complements of (b),~~

wherein the ~~unique~~ fragment excludes nucleic acid molecules which consist only of a nucleotide sequence ~~selected from the group~~ consisting of SEQ ID NO:10 ~~and~~ SEQ ID NO:11.

9. (Currently amended) The isolated nucleic acid molecule of claim 8, wherein the isolated nucleic acid molecule is selected from the group consisting of nucleic acid molecules comprising fragments of SEQ ID NO:1 ~~or of SEQ ID NO:4~~ of at least 14 contiguous nucleotides, nucleic acid molecules comprising fragments of SEQ ID NO:1 of at least 15 contiguous nucleotides, nucleic acid molecules comprising fragments of SEQ ID NO:1 of at least 16 contiguous nucleotides, nucleic acid molecules comprising fragments of SEQ ID NO:1 of at least 18 contiguous nucleotides, nucleic acid molecules comprising fragments of SEQ ID NO:1 of at least 20 contiguous nucleotides, nucleic acid molecules comprising fragments of SEQ ID NO:1 of at least 22 contiguous nucleotides, ~~and~~ nucleic acid molecules comprising fragments of SEQ ID NO:1 of at least 25 contiguous nucleotides; nucleic acid molecules comprising fragments of SEQ ID NO:1 of between 12 and 32 contiguous nucleotides, and nucleic acid molecules comprising fragments of SEQ ID NO:1 comprising at least 5 contiguous nucleotides not present in SEQ ID NO:10 ~~or~~ ~~SEQ ID NO:11~~.

10-11 (Canceled)

12. (Previously presented) An expression vector comprising the isolated nucleic acid molecule of claim 1 operably linked to a promoter.

13. (Previously presented) A host cell transformed or transfected with the expression vector of claim 12, optionally expressing an HLA molecule.

14-24. (Canceled)

25. (Currently amended) A kit for detecting the presence of the expression of a nucleic acid which encodes a tumor associated polypeptide precursor, comprising a pair of isolated nucleic acid molecules each of which consists of a molecule selected from the group consisting of (a) a first 12-32 nucleotide contiguous segment of nucleotides 1-1382 of SEQ ID NO:1, and (b) a

second 12-32 nucleotide contiguous segment of the complements of nucleotides 1-1382 of SEQ ID NO:1 “(a)”, wherein the first and second contiguous segments are ~~nonoverlapping~~ constructed and arranged to selectively amplify at least a portion of SEQ ID NO:1.


~~26-28 (Canceled)~~


29-65 (Canceled)

66. (Previously presented) The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule comprises the coding region of the nucleotide sequence of SEQ ID NO:1.

67. (Previously presented) The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule consists of the nucleotide sequence of SEQ ID NO:1.

~~68-70~~ (Canceled)

 71. (Previously presented) The isolated nucleic acid molecule of claim 8, wherein the isolated nucleic acid molecule is between 12 and 32 contiguous nucleotides.

72. (Currently amended) The isolated nucleic acid molecule of claim 8, wherein the isolated nucleic acid molecule comprises at least 5 contiguous nucleotides not present in SEQ ID NO:10 
~~or SEQ ID NO:11.~~

73. (Previously presented) The host cell of claim 13, wherein the host cell expresses an HLA molecule.

74. (Previously presented) The kit of claim 25, wherein the pair of isolated nucleic acid molecules is constructed and arranged to selectively amplify an isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO:1.

75. (Currently amended) The kit of claim ~~74~~ 25, wherein the pair of isolated nucleic acid molecules is SEQ ID NO:8 and SEQ ID NO:9.

76. (Previously presented) The kit of claim 25 wherein the pair of isolated nucleic acid molecules is PCR primers, wherein one of the primers is a unique fragment of SEQ ID NO:1.

77-79 (Canceled)

80. (New) An isolated nucleic acid molecule that encodes a polypeptide comprising the amino acid of SEQ ID NO:2.

81. (New) The isolated nucleic acid molecule of claim 80, wherein the nucleic acid molecule comprises the coding region of the nucleotide sequence of SEQ ID NO:1.
